

EDISTO RIVER BASIN

02173351 BULL SWAMP CREEK BELOW SWANSEA, SC

LOCATION.--Lat 33°43'26", long 81°05'59", Lexington County, Hydrologic Unit 03050203, on downstream side of bridge on U.S. Highway 321, 0.7 mi south of Swansea.

DRAINAGE AREA.--34.4 mi² (revised).

PERIOD OF RECORD.--February 2001 to current year.

GAGE.--Data collection platform. Elevation of gage is 285 ft above NGVD of 1929 (from topographic map).

REMARKS.--No estimated daily discharges. Records fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 5.8 | 5.3 | 6.4 | 6.4 | 5.5 | 4.4 | 5.9 | 9.5 | 3.9 | 3.4 | 3.9 | 7.9 |
| 2 | 5.2 | 5.4 | 6.2 | 6.6 | 5.6 | 9.2 | 5.3 | 13 | 3.6 | 3.5 | 4.3 | 6.2 |
| 3 | 5.3 | 5.6 | 6.1 | 7.8 | 9.9 | 13 | 5.1 | 7.1 | 3.7 | 5.6 | 3.7 | 5.1 |
| 4 | 5.2 | 5.6 | 7.2 | 7.7 | 6.8 | 9.2 | 5.1 | 6.5 | 3.7 | 4.1 | 3.4 | 4.4 |
| 5 | 5.2 | 5.5 | 7.4 | 7.4 | 4.8 | 7.4 | 5.1 | 7.3 | 3.7 | 3.6 | 3.3 | 4.1 |
| 6 | 10 | 5.4 | 6.7 | 9.8 | 6.6 | 5.9 | 5.0 | 6.3 | 3.5 | 4.1 | 3.3 | 3.9 |
| 7 | 9.7 | 5.3 | 6.1 | 11 | 16 | 6.0 | 4.9 | 5.4 | 3.7 | 4.5 | 3.3 | 3.9 |
| 8 | 5.7 | 5.3 | 5.7 | 10 | 13 | 5.3 | 4.8 | 5.2 | 3.3 | 3.6 | 3.2 | 3.9 |
| 9 | 4.8 | 5.3 | 5.5 | 9.1 | 16 | 4.9 | 5.0 | 4.8 | 3.3 | 3.6 | 3.2 | 3.7 |
| 10 | 4.7 | 5.4 | 5.8 | 7.9 | 13 | 4.9 | 6.4 | 4.7 | 3.3 | 3.7 | 3.2 | 3.5 |
| 11 | 4.7 | 5.5 | 7.8 | 6.8 | 4.0 | 5.2 | 6.7 | 4.8 | 3.2 | 3.6 | 3.1 | 3.4 |
| 12 | 4.7 | 5.5 | 7.8 | 7.0 | 3.6 | 3.8 | 8.2 | 5.0 | 3.2 | 3.4 | 3.1 | 3.5 |
| 13 | 4.8 | 5.3 | 7.4 | 11 | 3.4 | 6.2 | 11 | 4.9 | 3.2 | 3.4 | 3.1 | 3.5 |
| 14 | 5.2 | 5.9 | 8.6 | 9.5 | 3.3 | 5.9 | 8.1 | 4.7 | 3.2 | 3.4 | 3.2 | 4.3 |
| 15 | 5.5 | 5.6 | 7.4 | 7.8 | 3.2 | 5.3 | 6.7 | 4.6 | 3.2 | 3.3 | 3.2 | 10 |
| 16 | 4.9 | 5.4 | 6.4 | 7.3 | 3.8 | 4.9 | 6.5 | 4.4 | 3.2 | 3.2 | 3.9 | 10 |
| 17 | 4.6 | 5.3 | 6.1 | 7.1 | 4.3 | 5.9 | 5.8 | 4.4 | 3.2 | 3.2 | 36 | 7.0 |
| 18 | 4.5 | 8.8 | 6.9 | 6.4 | 4.5 | 5.1 | 5.8 | 5.6 | 3.2 | 3.2 | 35 | 16 |
| 19 | 4.7 | 8.8 | 6.5 | 8.2 | 5.2 | 4.9 | 6.7 | 6.3 | 3.2 | 3.2 | 13 | 6.3 |
| 20 | 4.8 | 8.4 | 6.3 | 9.0 | 4.9 | 4.9 | 6.3 | 5.2 | 3.1 | 3.2 | 6.9 | 6.3 |
| 21 | 5.4 | 9.6 | 6.7 | 7.8 | 5.0 | 9.2 | 5.6 | 4.5 | 3.2 | 3.2 | 3.4 | 6.5 |
| 22 | 5.5 | 13 | 6.7 | 7.0 | 4.6 | 7.5 | 5.4 | 4.3 | 3.4 | 3.3 | 3.2 | 5.4 |
| 23 | 5.1 | 13 | 6.3 | 7.3 | 3.6 | 5.7 | 5.3 | 4.0 | 3.4 | 3.3 | 3.2 | 4.8 |
| 24 | 4.9 | 14 | 6.0 | 7.5 | 3.3 | 5.4 | 5.3 | 4.0 | 3.5 | 7.1 | 3.3 | 4.5 |
| 25 | 5.0 | 11 | 5.7 | 7.2 | 3.3 | 6.2 | 5.5 | 4.1 | 3.6 | 11 | 4.3 | 4.7 |
| 26 | 4.6 | 12 | 5.5 | 7.8 | 3.4 | 6.2 | 5.4 | 4.0 | 4.0 | 5.7 | 5.6 | 5.4 |
| 27 | 4.6 | 12 | 5.4 | 6.4 | 3.3 | 7.1 | 5.3 | 4.0 | 4.9 | 4.4 | 5.0 | 5.7 |
| 28 | 5.1 | 8.4 | 5.5 | 6.2 | 3.8 | 5.4 | 5.2 | 4.3 | 4.6 | 3.8 | 20 | 5.3 |
| 29 | 5.1 | 6.7 | 6.1 | 5.8 | --- | 5.5 | 4.8 | 5.9 | 3.6 | 3.5 | 9.4 | 4.8 |
| 30 | 5.1 | 6.4 | 6.1 | 5.8 | --- | 6.3 | 4.0 | 5.0 | 3.3 | 3.3 | 8.6 | 4.5 |
| 31 | 5.2 | --- | 5.8 | 5.5 | --- | 6.1 | --- | 4.3 | --- | 3.3 | 9.4 | --- |
| TOTAL | 165.6 | 224.7 | 200.1 | 238.1 | 167.7 | 192.9 | 176.2 | 168.1 | 105.1 | 124.7 | 220.7 | 168.5 |
| MEAN | 5.34 | 7.49 | 6.45 | 7.68 | 5.99 | 6.22 | 5.87 | 5.42 | 3.50 | 4.02 | 7.12 | 5.62 |
| MAX | 10 | 14 | 8.6 | 11 | 16 | 13 | 11 | 13 | 4.9 | 11 | 36 | 16 |
| MIN | 4.5 | 5.3 | 5.4 | 5.5 | 3.2 | 3.8 | 4.0 | 4.0 | 3.1 | 3.2 | 3.1 | 3.4 |
| CFSM | 0.16 | 0.22 | 0.19 | 0.22 | 0.17 | 0.18 | 0.17 | 0.16 | 0.10 | 0.12 | 0.21 | 0.16 |
| IN. | 0.18 | 0.24 | 0.22 | 0.26 | 0.18 | 0.21 | 0.19 | 0.18 | 0.11 | 0.13 | 0.24 | 0.18 |

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

02173351 BULL SWAMP CREEK BELOW SWANSEA, SC--Continued

SUMMARY STATISTICS

FOR 2002 WATER YEAR

WATER YEARS 2001 - 2002

| | | |
|--------------------------|-------------|------|
| ANNUAL TOTAL | 2152.4 | |
| ANNUAL MEAN | 5.90 | |
| HIGHEST ANNUAL MEAN | | 5.90 |
| LOWEST ANNUAL MEAN | | 5.90 |
| HIGHEST DAILY MEAN | 36 | 2002 |
| LOWEST DAILY MEAN | 3.1 | 2002 |
| ANNUAL SEVEN-DAY MINIMUM | a Jun 20 | |
| MAXIMUM PEAK FLOW | 3.2 Aug 8 | |
| MAXIMUM PEAK STAGE | 93 Aug 17 | |
| ANNUAL RUNOFF (CFSM) | 4.85 Aug 17 | |
| ANNUAL RUNOFF (INCHES) | 0.17 | |
| 10 PERCENT EXCEEDS | 2.33 | |
| 50 PERCENT EXCEEDS | 9.1 | |
| 90 PERCENT EXCEEDS | 5.3 | |
| | 3.3 | |

a Also occurred Aug. 11-13.

e Estimated

